

Form C-104
Rev. 2/01CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATIONDate 11/21/2007Contract ID 070427-607Job No. J6P0672CCounty St. CharlesRoute 40Original Bid Cost \$22,949,743.47Contractor Millstone Bangert, Inc.By Jim Schaefer

Designed By

Phone (636) 949-0038VE # 08-27

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The existing temporary bypasses and staged construction restrict the proposed improvements along Hwy. 40, west of the Callahan intersection from being constructed until the final stages. The proposed bypasses will allow these improvements to be constructed in Stages 2 and 3, along with the other improvements to the EB and WB lanes, resulting in a more efficient means of constructing the improvements and a cost savings.

2. Estimate of reduction in construction costs.

\$35,610.00

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

We propose to substitute PCCP 8" (no baskets) on earth subgrade for the contract asphalt bypasses pavement design at no additional cost and take full responsibility for the bypass pavement maintenance.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

11/09/2007

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

12/01/2007

(date)

Scheduled to begin bypass paving on 12/12/07.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

11/09/2007

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: I RECOMMEND APPROVAL OF THIS UVE. THE PROPOSAL WILL ALLOW THE CONTRACTOR TO TAKE CARE OF ~~MAINTENANCE~~ ^{GENERAL} MAINTENANCE OF HIS OWN WORK. HAVE REVIEWED PAVEMENT STRUCTURE: IS THE SAME TYPE AS USED ON I-44 BYPASS. APPROVE BASED ON RESULTS IN THE FIELD. P.M.: DESIGNER HAS NO PROBLEMS WITH UVE.

[Signature]
Submitted By Resident Engineer

4/21/08
Date

Comments: AS NOTED ABOVE AND WITH NO ADDITIONAL COST TO REMOVE THE BYPASSES.

☒ Approval
Recommended

☐ Rejection
Recommended

[Signature]
District Engineer

4-24-08
Date

Comments: Based upon above comments. The savings should be shared equally (50/50) with the contractor.

☒ Approval

☐ Rejection

[Signature]
State Operations Engineer

4/25/08
Date

Distribution: Resident Engineer, District Operations Engineer, State Operations Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Substitute 8" PCCP (no baskets) on earth subgrade in lieu of asphalt bypasses that will allow improvements in steps 1 to be constructed in stages 2 and 3.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

Scan all.